

# Converting Colors

$Y_{xy}(30.6114, 0.3997, 0.2871)$

Have a look what the booklet for  
Yxy(30.6114, 0.3997, 0.2871)  
contains.

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# Color

**Yxy(30.6051, 0.4000, 0.2870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E07498
RGB	224, 116, 152
RGB Percent	88%, 45%, 60%
CMY	0.1216, 0.5451, 0.4038
CMYK	0.00, 0.48, 0.32, 0.12
HSL	340°, 64%, 67%
HSV	340°, 48%, 88%
XYZ	42.6552, 30.6051, 33.3777
YIQ	152.3960, 52.8120, 34.0920

# Conversions

## Conversions Part 2

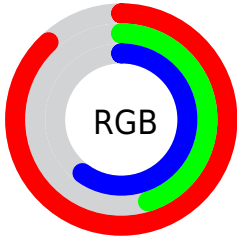
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 116, 152
Decimal	14709912
CIE Lab	62.17, 45.86, -0.07
CIE LCh	62, 45.856, 359.909
Yxy	30.6051, 0.4000, 0.2870
Android (android.graphics.Color)	4292899992 (0xFFE07498)
YUV	152.3960, -0.1952, 62.7967
Hunter-Lab	55.3219, 40.8168, 2.9535

# Details

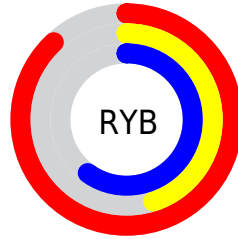
The Yxy color **30.6051, 0.4000, 0.2870** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **60.6539, 0.2673, 0.3777**, and the grayscale version is **31.5647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4657, 0.3577, 0.2919**, and **12.6016, 0.4302, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **25.5913, 0.4292, 0.2800**, and if you desaturate by 10%, it is **36.9284, 0.3749, 0.2955**.

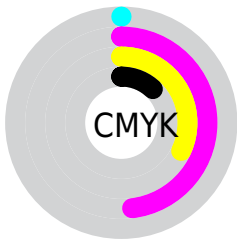
# Distribution



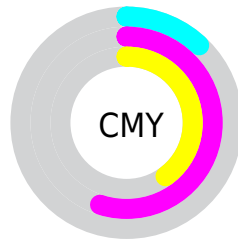
- Red (88%)
- Green (45%)
- Blue (60%)



- Red (88%)
- Yellow (45%)
- Blue (60%)



- Cyan (0%)
- Magenta (48%)
- Yellow (32%)
- Black (12%)




- Cyan (12%)
- Magenta (55%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6051, 0.4000, 0.2870 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.6051, 0.4000, 0.2870 by changing the saturation by 10% instead.





 30.6051, 0.4000,  
0.2870


 30.6051, 0.4000,  
0.2870


304.7149, 0.3535,  
0.3094

 20.2983, 0.4126,  
0.2810


 60.6178, 0.3824,  
0.2955

 12.6121, 0.4293,  
0.2729


 81.0925, 0.3760,  
0.2986

 7.1620, 0.4526,  
0.2617


 105.7253, 0.3707,  
0.3011

 3.5636, 0.4871,  
0.2451

134.9007, 0.3662,  
0.3033

 1.4326, 0.5427,  
0.2184

169.0029, 0.3623,  
0.3051

 0.2405, 0.7416,  
0.1225

208.4164, 0.3590,

 0.0000, 1.0000,

0.3067

0.0000

253.5256, 0.3561,  
0.3082

0.0000, 0.0000,  
0.0000

30.6051, 0.4000,  
0.2870

30.6051, 0.4000,  
0.2870

25.5913, 0.4292,  
0.2800

36.9284, 0.3749,  
0.2955

21.7890, 0.4620,  
0.2756

44.6407, 0.3539,  
0.3045

19.0942, 0.4968,  
0.2750


53.8205, 0.3366,  
0.3136


17.3823, 0.5311,  
0.2792

64.5391, 0.3224,  
0.3223

16.4755, 0.5619,  
0.2881

76.8631, 0.3108,  
0.3304

 16.3515, 0.5671,  
0.2898

 90.8553, 0.3014,  
0.3380

 94.5872, 0.2940,  
0.3289

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6051, 0.3258, 0.2455



30.6051, 0.4000, 0.2870



30.6051, 0.4500, 0.3388

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.6051, 0.4000, 0.2870



30.6051, 0.3578, 0.4648



30.6051, 0.1862, 0.2421

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.6051, 0.4000, 0.2870



60.6539, 0.2673, 0.3777

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.6051, 0.1921, 0.2946



30.6051, 0.4000, 0.2870



30.6051, 0.2870, 0.4398

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.6051, 0.4000, 0.2870



30.6051, 0.4201, 0.4417



30.6051, 0.2270, 0.3704



30.6051, 0.2078, 0.2188



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.6051, 0.4000, 0.2870



30.6051, 0.4591, 0.3754



30.6051, 0.2270, 0.3704



30.6051, 0.1850, 0.2563

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.6066, 0.4000, 0.2870



77.8611, 0.3304, 0.3172



28.3375, 0.2812, 0.1993



16.0161, 0.3336, 0.3153



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.6066, 0.4000, 0.2870



34.2115, 0.4299, 0.2799



33.6657, 0.4364, 0.3484



13.7756, 0.3240, 0.3212



9.5369, 0.5631, 0.2876



0.6773, 0.5196, 0.2636



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.6066, 0.4000, 0.2870



34.2115, 0.4299, 0.2799



54.1093, 0.2453, 0.3075



13.7756, 0.3240, 0.3212



9.5369, 0.5631, 0.2876



0.6773, 0.5196, 0.2636



# Previews

## White Background



This preview shows how the Yxy color 30.6051, 0.4000, 0.2870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

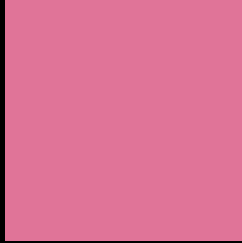
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.6051, 0.4000, 0.2870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

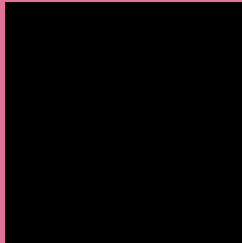
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 30.6051, 0.4000, 0.2870**

## Background



This preview shows how black text looks on a background with the Yxy color 30.6051, 0.4000, 0.2870.



This preview shows how white text looks on a background with the Yxy color 30.6051, 0.4000, 0.2870.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

30.6051, 0.4000, 0.2870

### Protanopia

30.9943, 0.2900, 0.2958

### Deuteranopia

30.8798, 0.3340, 0.3276



## Tritanopia

30.5475, 0.4256, 0.3187

# Trichromacy



**Original Color**

30.6051, 0.4000, 0.2870

**Protanomaly**

30.0075, 0.3252, 0.2908

**Deuteranomaly**

30.1892, 0.3574, 0.3098

**Tritanomaly**

30.6878, 0.4170, 0.3080

# Monochromacy



**Original Color**

30.6051, 0.4000, 0.2870

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.1972, 0.3420, 0.3105

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.6051, 0.4000, 0.2870 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 116, 152)` looks like.

```
.text, #text, p{  
    color:rgb(224, 116, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 116, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 116, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 30.6051, 0.4000, 0.2870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 116, 152) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 116, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 116, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 116, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 116, 152);  
box-shadow:4px 4px 4px 4px rgb(224, 116,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.6051, 0.4000, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 116, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
116, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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